

K-1066-F UF₆ Cylinder Storage Yard

The K-1066-F cylinder storage yard is located in the north portion of the East Tennessee Technology Park, north of the K-25 Building. The yard is located in the same area as the K-1066-L and K-1066-J yards, south of these other yards. F yard has no fencing, however, it is posted as a Fixed Contamination Area, and TLD's required. F Yard is considered a Nuclear Facility, Category 3 because of the limited cylinder mass quantity that may be placed in the yard. Postings designate the yard location, entry and notification requirements, and warn of the presence of PCBs on particular cylinders.

This yard is considered inadequate for double stacking full 48-inch diameter cylinders. The yard was constructed in 1978 (estimated) and is paved with asphalt. Historically it has been used to stage 48-inch diameter cylinders for off site shipment and not for long-term storage. F yard provides 2.7 acres (~117,000 ft²) of yard area and is currently being used to hold 1652 empty, heel, partial full, and full quantity 30-, 12-, 8-, and 5-inch diameter cylinders properly stacked. Currently there are a limited number of wooden saddles in this yard used to constrain the ends of the cylinder rows for the 30-inch cylinders, and store small diameter heel quantity cylinders which are constructed of corrosion resistant nickel and monel. The cylinders are stacked west to east. The empty cylinders are stacked three high for space consolidation.

K-1066-F Yard has a mean elevation of ~761 ft ASL and is located in a depressed area between the downward slope from Building K-25 to the south and the slightly raised site access road running along its northern side (elevation 762 ft). The yard is relatively level, sloped only to drain to the storm sewer through a catch basin (elevation 758.9 ft) located at the eastern end of the yard. Storm water runoff drains through this catch basin and the storm sewer to a Poplar Creek outfall to the northeast. At its closest point, Poplar Creek runs ~150 ft north of the yard. Normal entry to the yard is from the site access road running along the northern side. The closest point to the ORR boundary is ~6300 ft to the north.

Power lines are located on the south side of F Yard.



Aerial view of K-1006-F, J, and L Yards, taken from the east side of the yard area. F Yard has been cleaned and is currently being used to store empty cylinders.



Elevation view from the south side of K-1066-F Yard.